

FIG. 1A

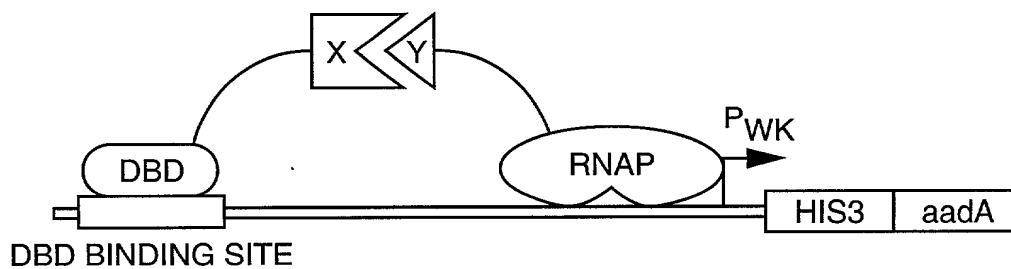


FIG. 1B

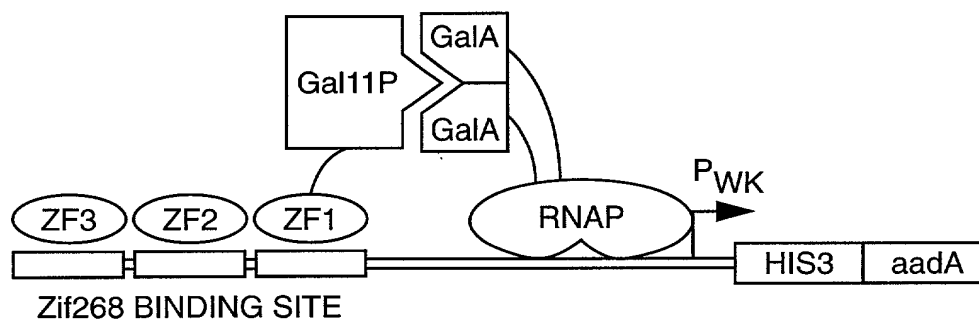


FIG. 1C

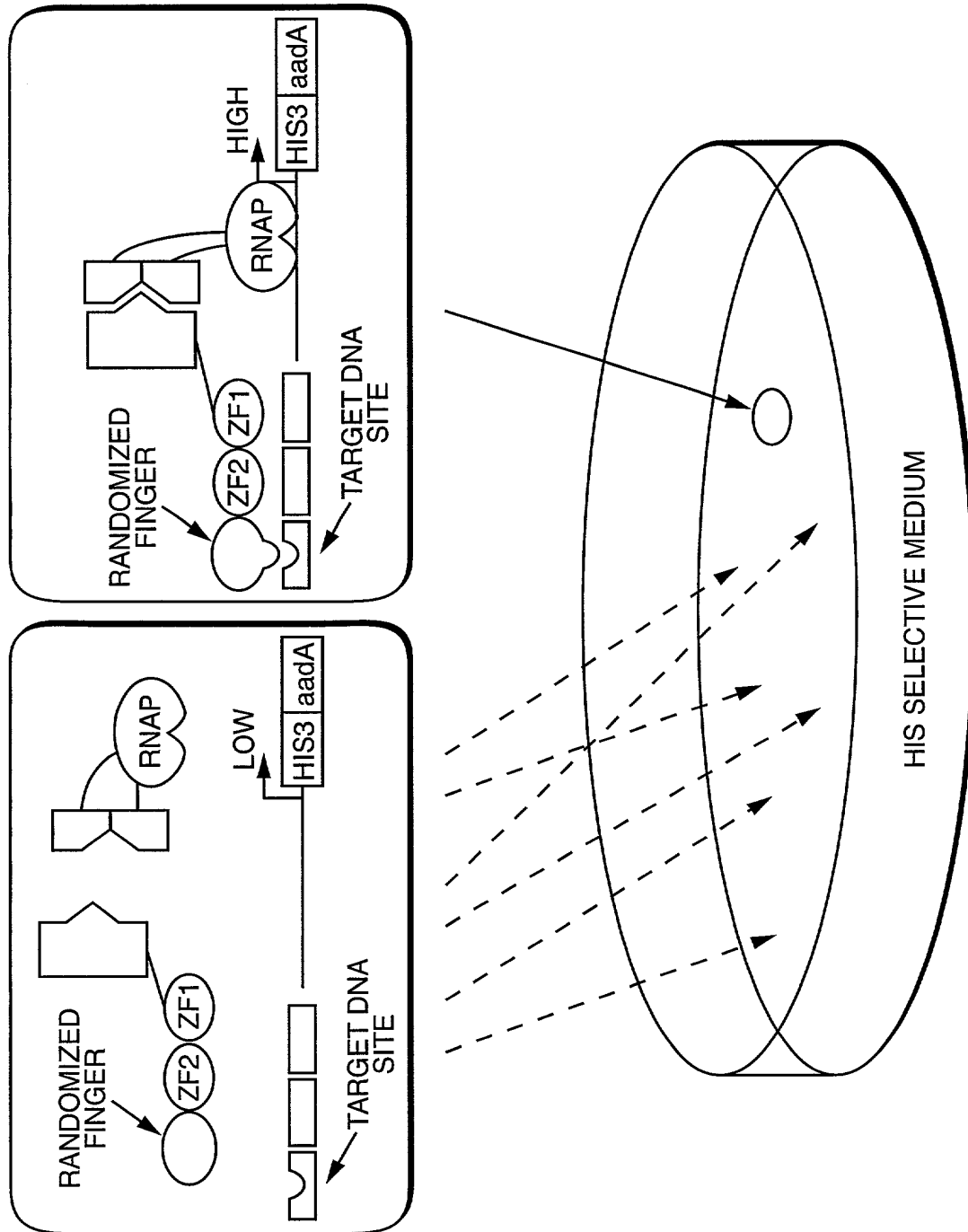


FIG. 2

		3' ACT 5'											
GROUP I:													
<u>FIRST SELECTION:</u>		-1	1	2	3	5	6						
		N	S	G	S	W	K						
<u>SECOND SELECTION:</u>		N	S	G	S	W	K						
		N	H	G	S	W	H						
		N	S	G	S	W	K						

<u>PHAGE DISPLAY</u>		T	_	T	N	_	S
<u>CONSENSUS:</u>							

<u>FROM THE</u>		-1	1	2	3	5	6
<u>TATA SELECTION:</u>		R	R	W	L	K	L
		R	K	W	L	Q	L
<u>FROM THE</u>		-1	1	2	3	5	6
<u>p53 SELECTION:</u>		R	K	W	L	M	L
		R	K	W	I	N	L
		R	K	W	Y	Q	L
<u>FROM THE</u>		-1	1	2	3	5	6
<u>NRE SELECTION:</u>		R	K	W	L	K	L
		R	A	W	L	K	L
		R	K	W	Y	R	L

FIG. 3C

FIG. 3D

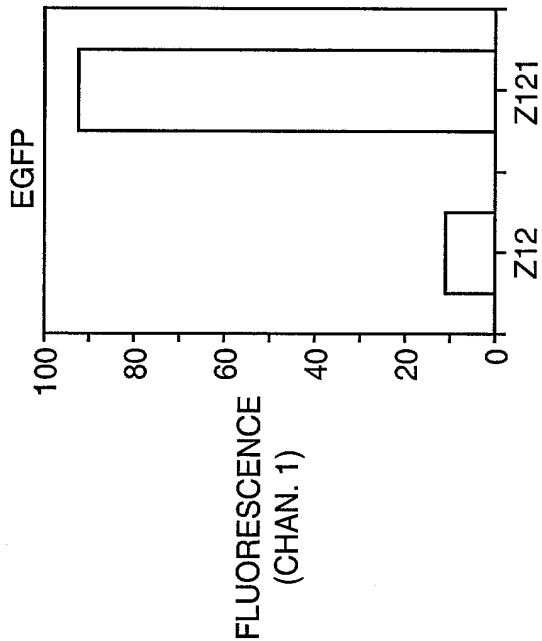


FIG. 4A

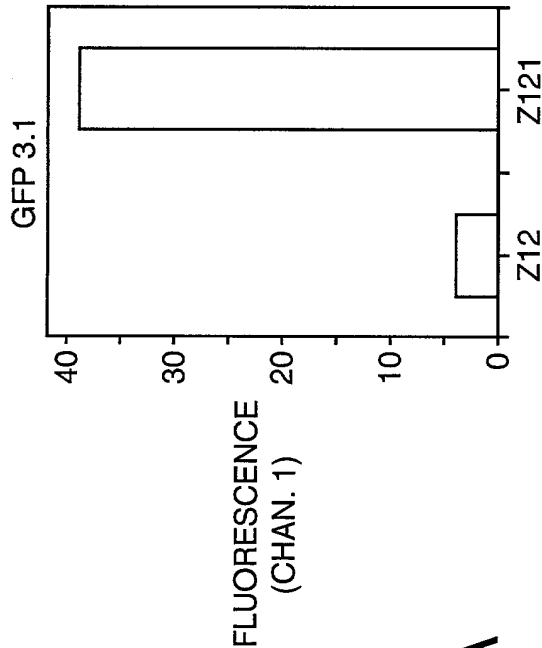


FIG. 4B

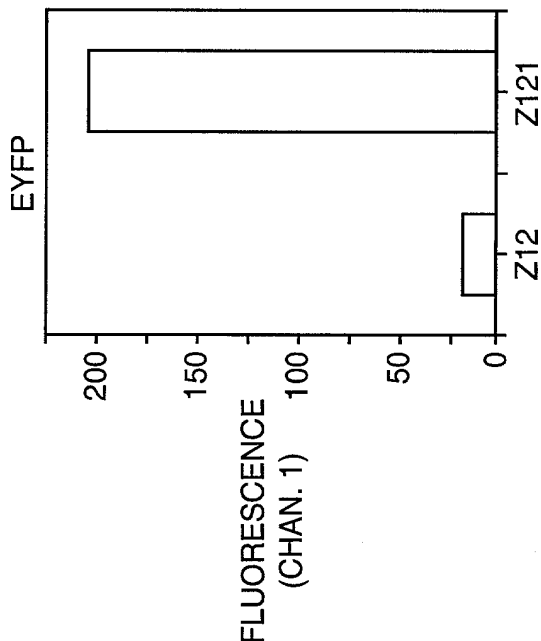


FIG. 4C

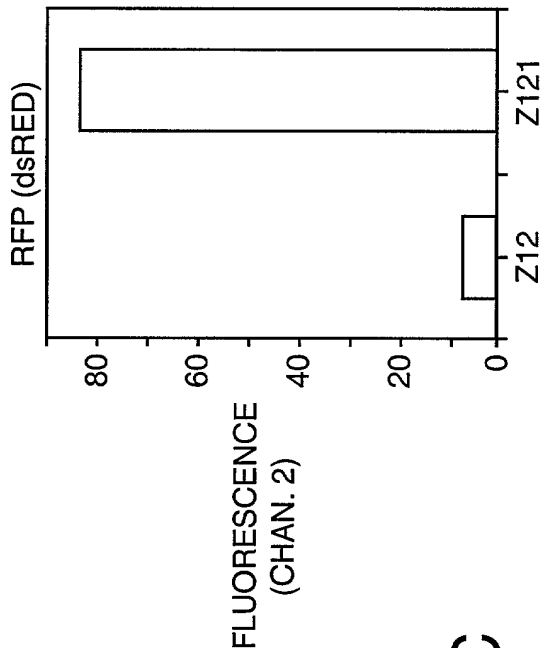
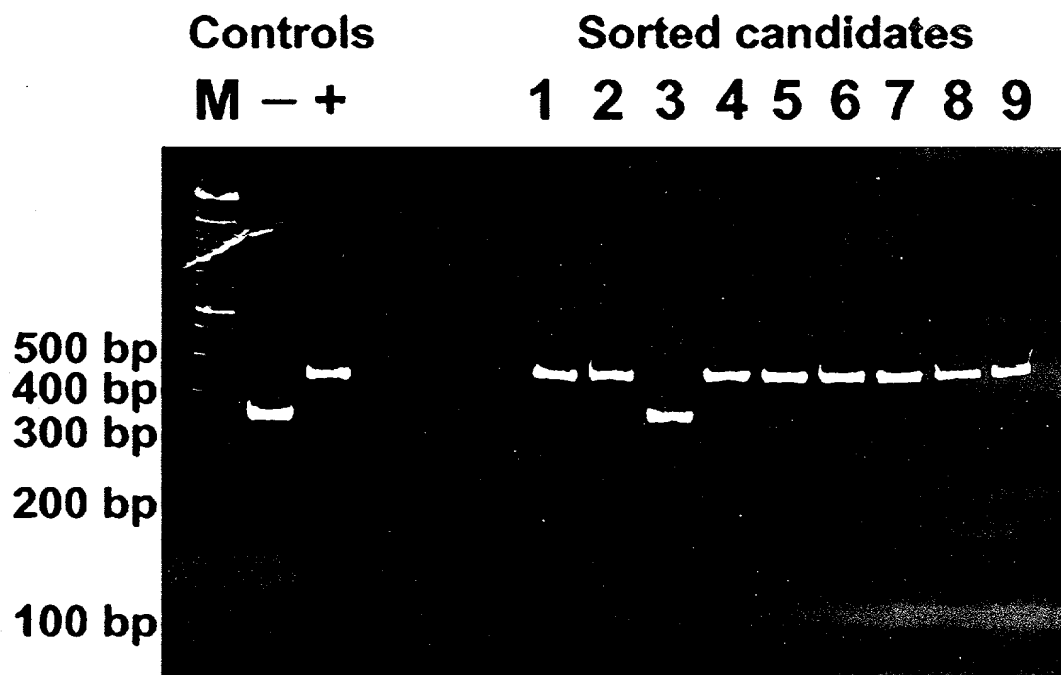
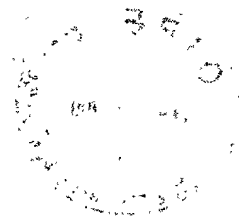


FIG. 4D

**Fig. 5**

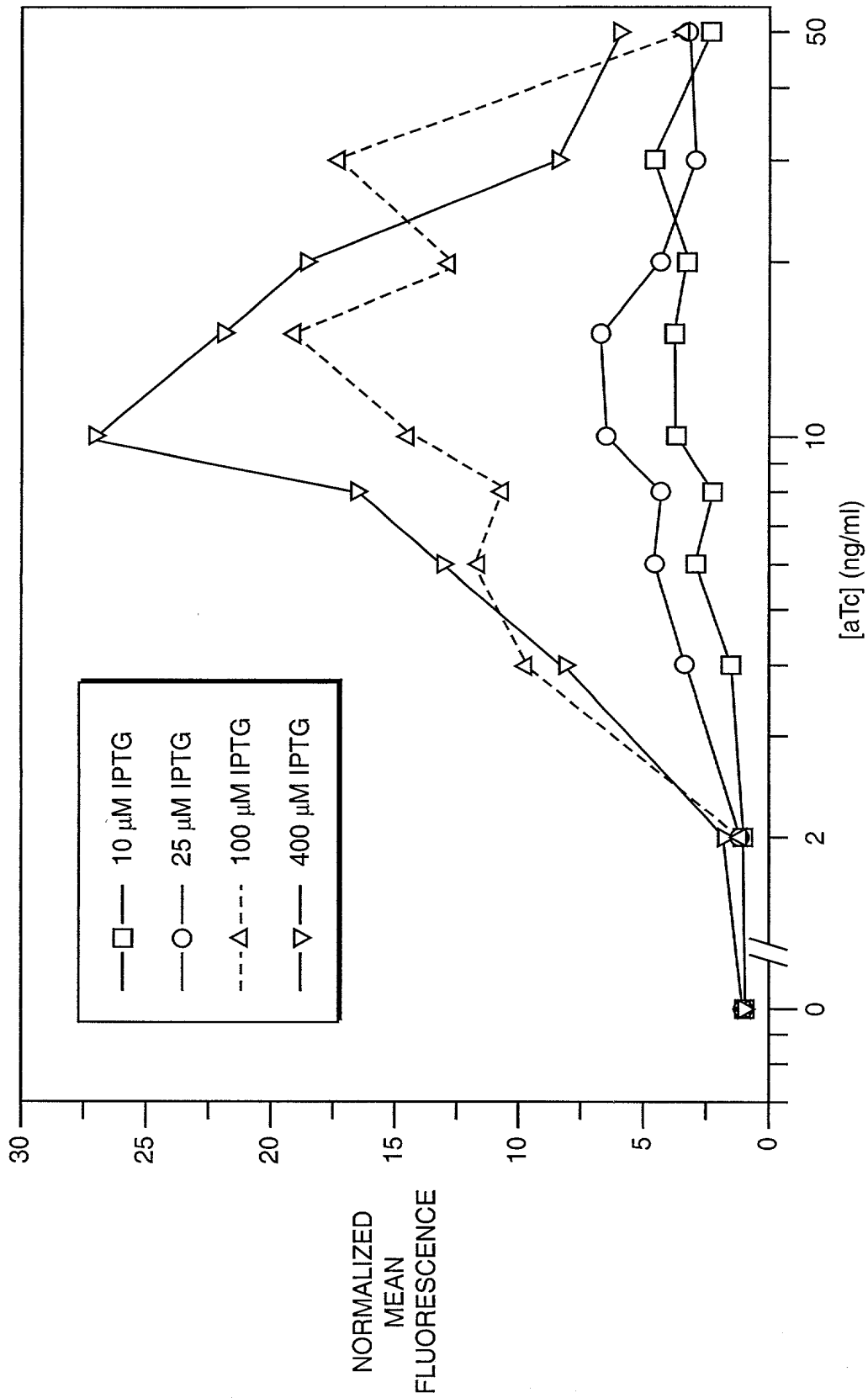


FIG. 6

204020-2406660

REPORTER CONSTRUCT #1

REPORTER CONSTRUCT #2

8/18

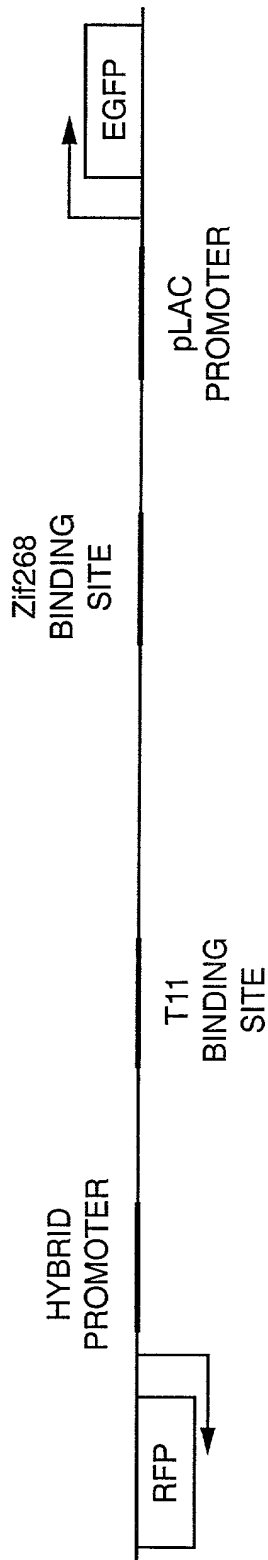


FIG. 7

9/18

TWO-COLOR
REPORTER +
Gal11P-T11
PROTEIN

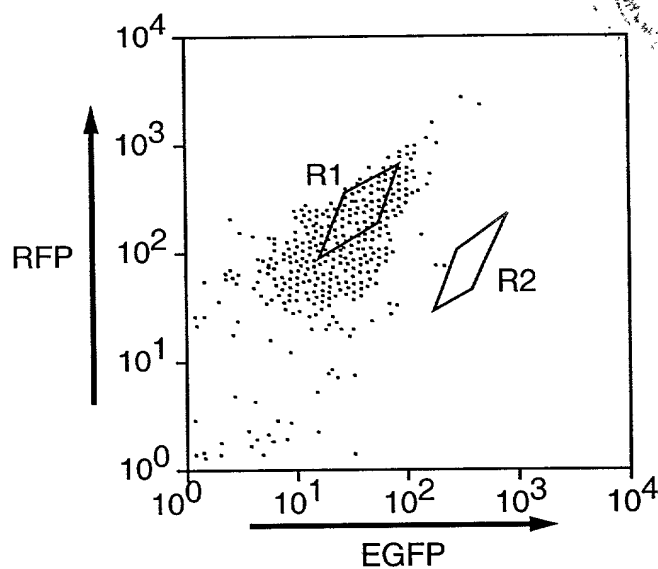


FIG. 8A

TWO-COLOR
REPORTER +
Gal11P-Zif268
PROTEIN

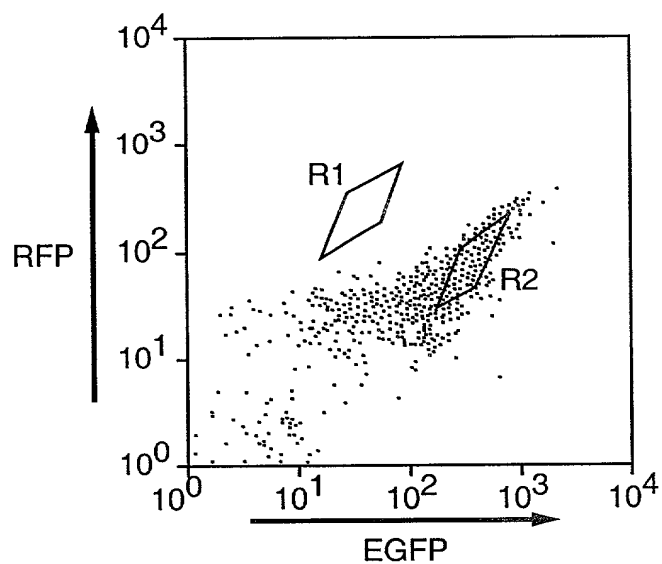


FIG. 8B

TWO-COLOR
REPORTER +
Gal11P-Z12
PROTEIN

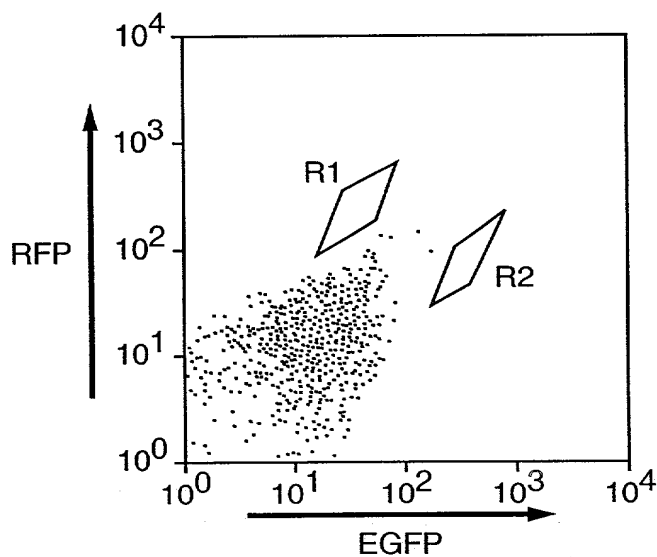
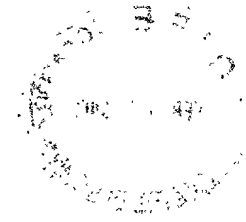


FIG. 8C

10/18



P53^{ZF} *IN VITRO* SITE SELECTION CONSENSUS SEQUENCE:

CXGGACACGTX

(WHERE X = NO CLEAR PREFERENCE)

IN VIVO SITE SELECTION LIBRARY

CGGGANNNNG

(WHERE N = A MIXTURE OF A, G, C, AND T)

SELECTED CLONES:

SEQUENCE	# OF CLONES
CGGGACACGTG	9
CGGGACATGTG	5
CGGGACACGGG	2

SEQUENCE	FOLD ACTIVATION
CGGGACACGTG	18.6 ± 2.7
CGGGACATGTG	12.0 ± 0.5
CGGGACACGGG	12.6 ± 1.9

FIG. 9

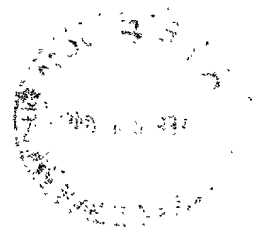
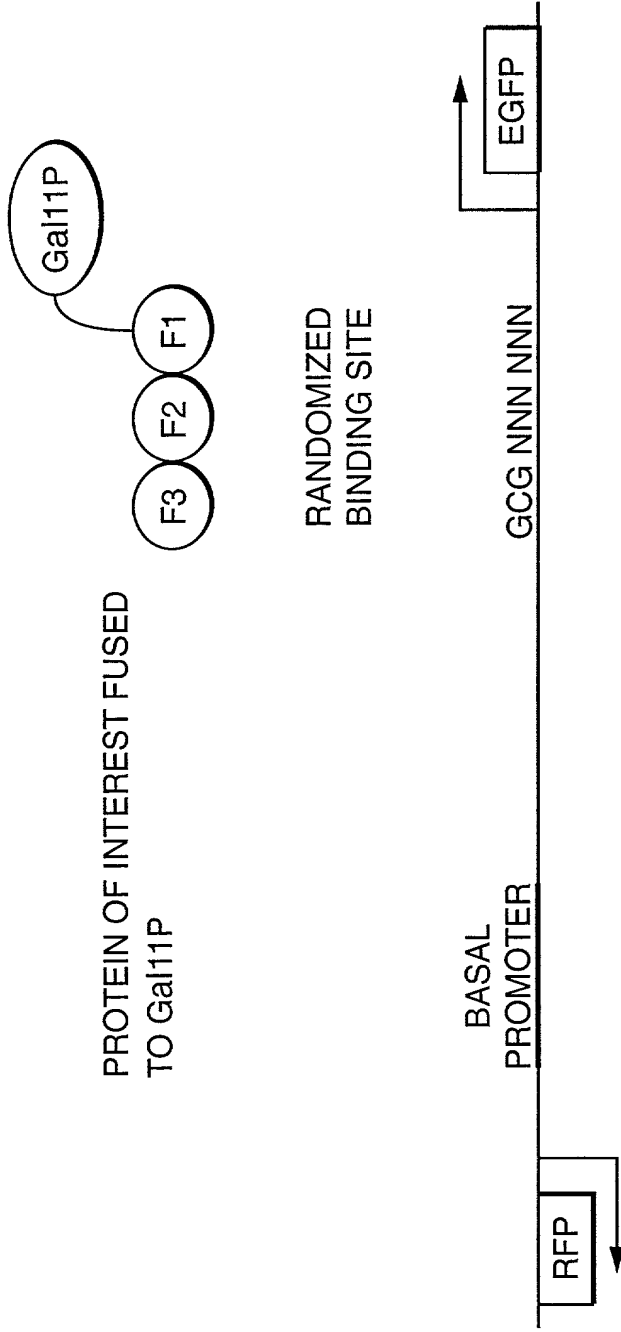


FIG. 10

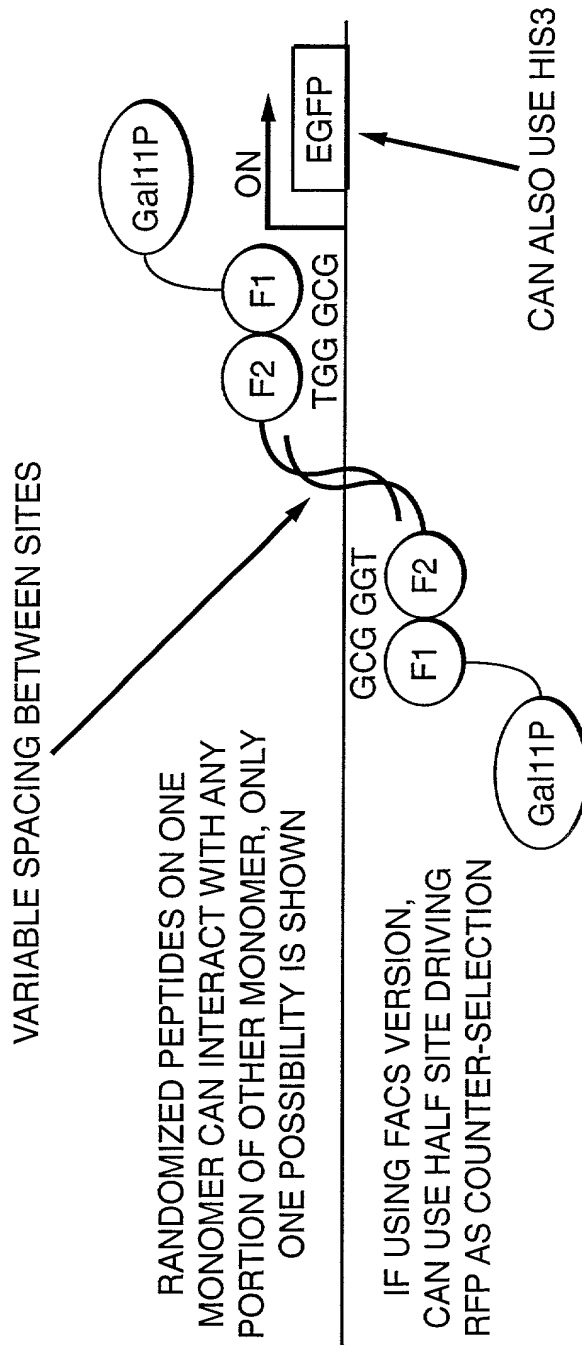
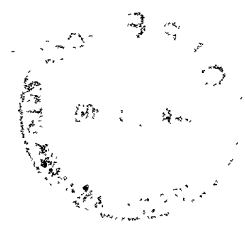


FIG. 11

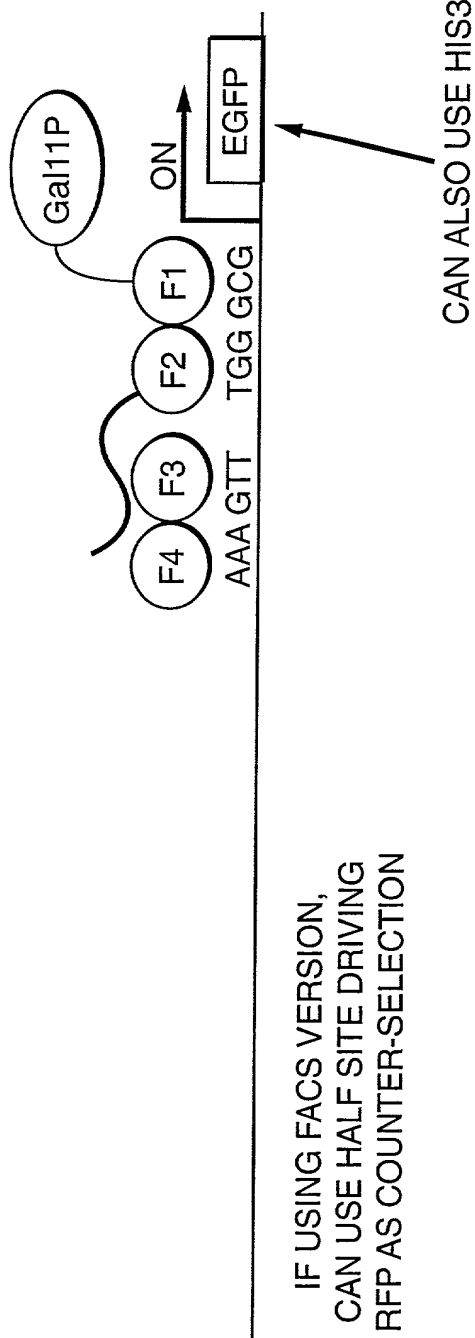
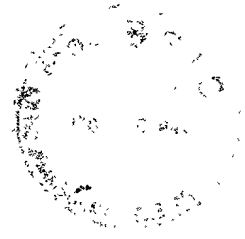


FIG. 12



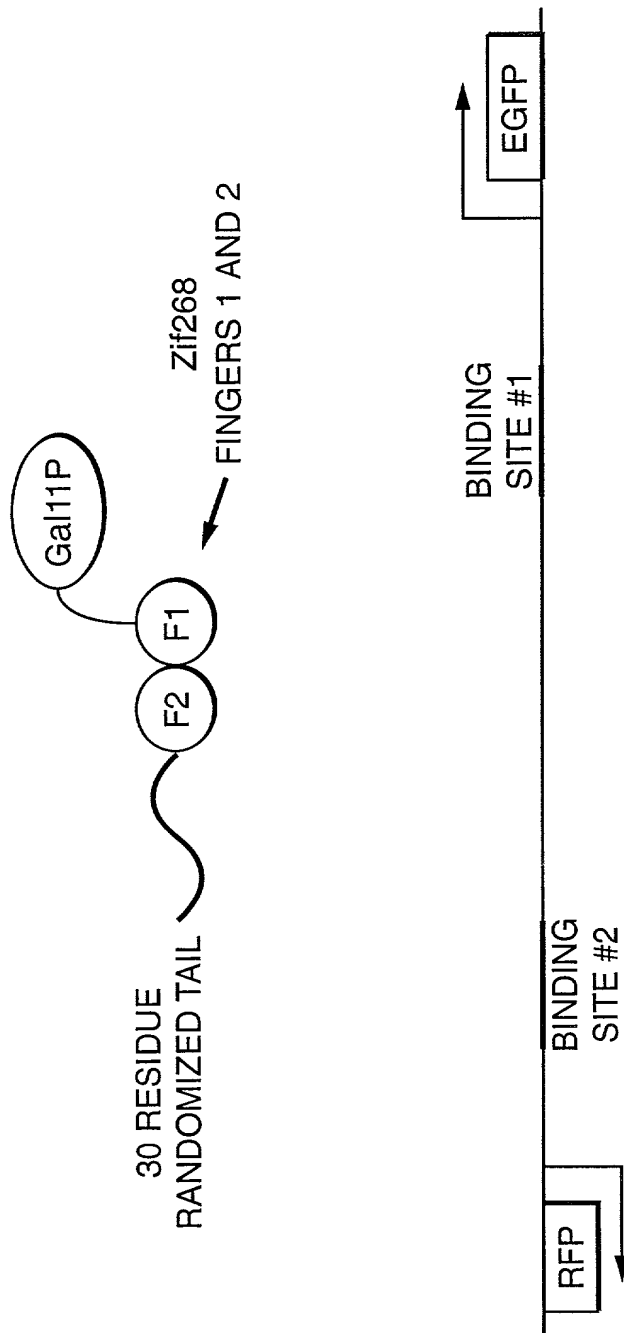


FIG. 13



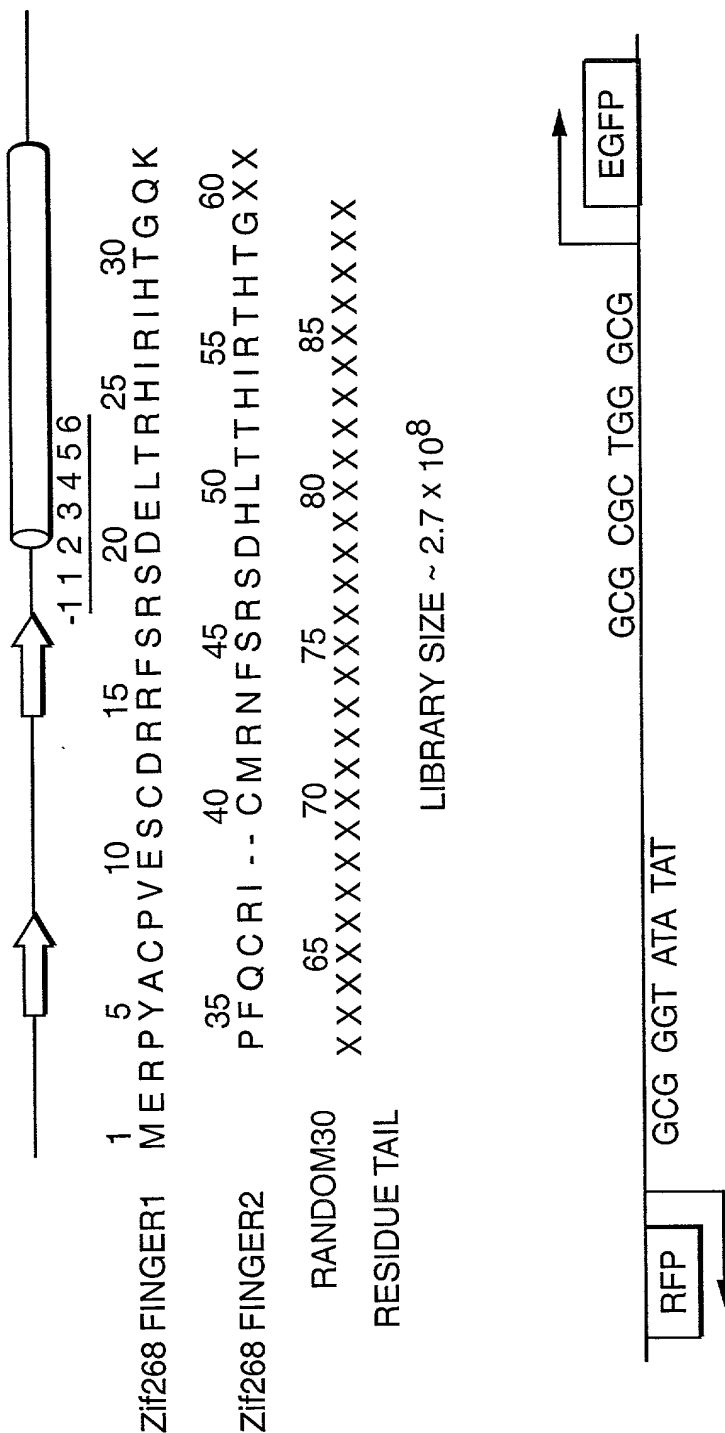
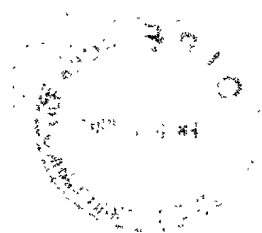


FIG. 14



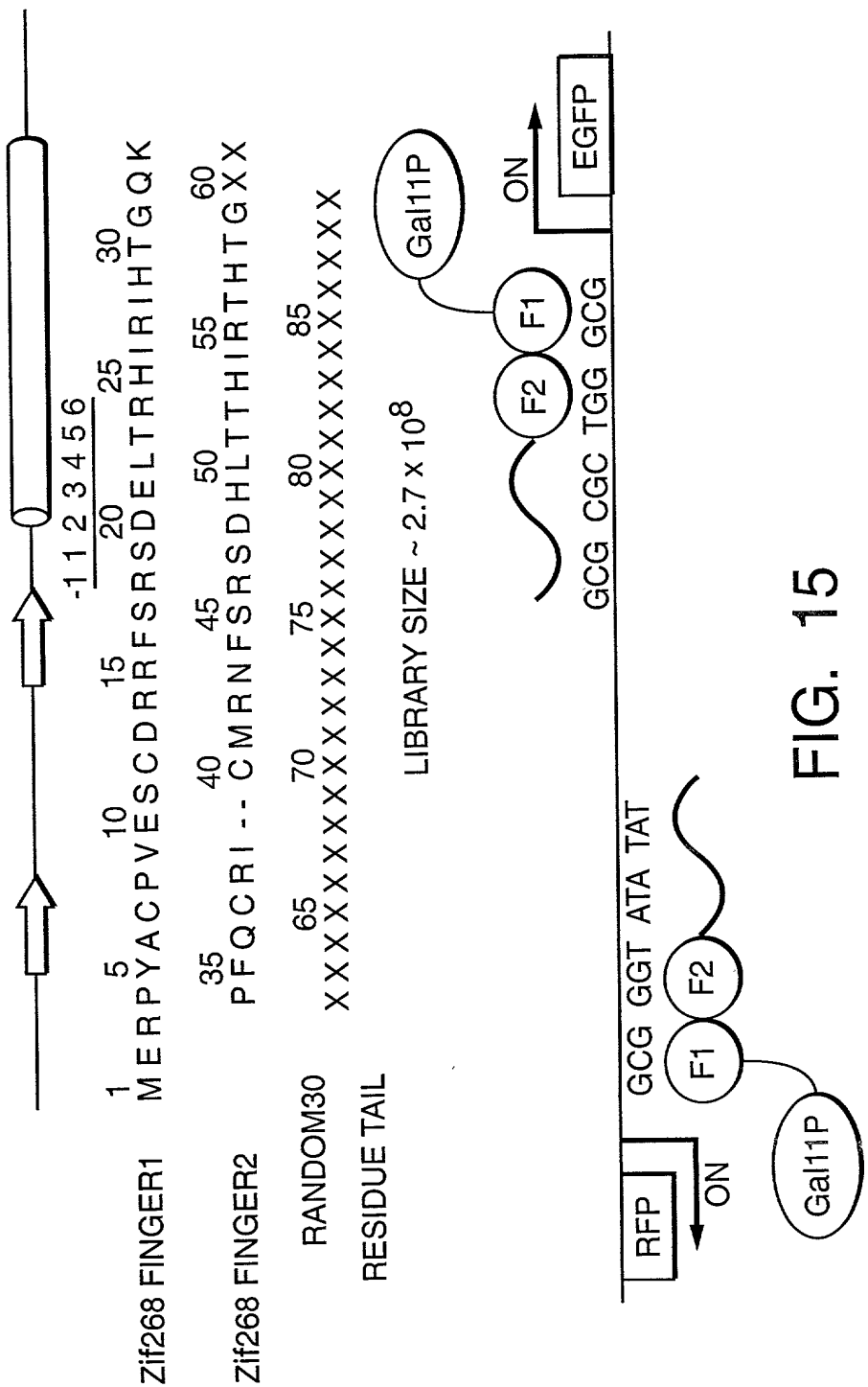
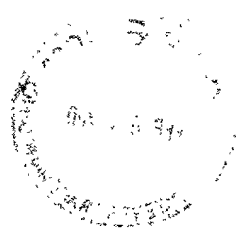


FIG. 15



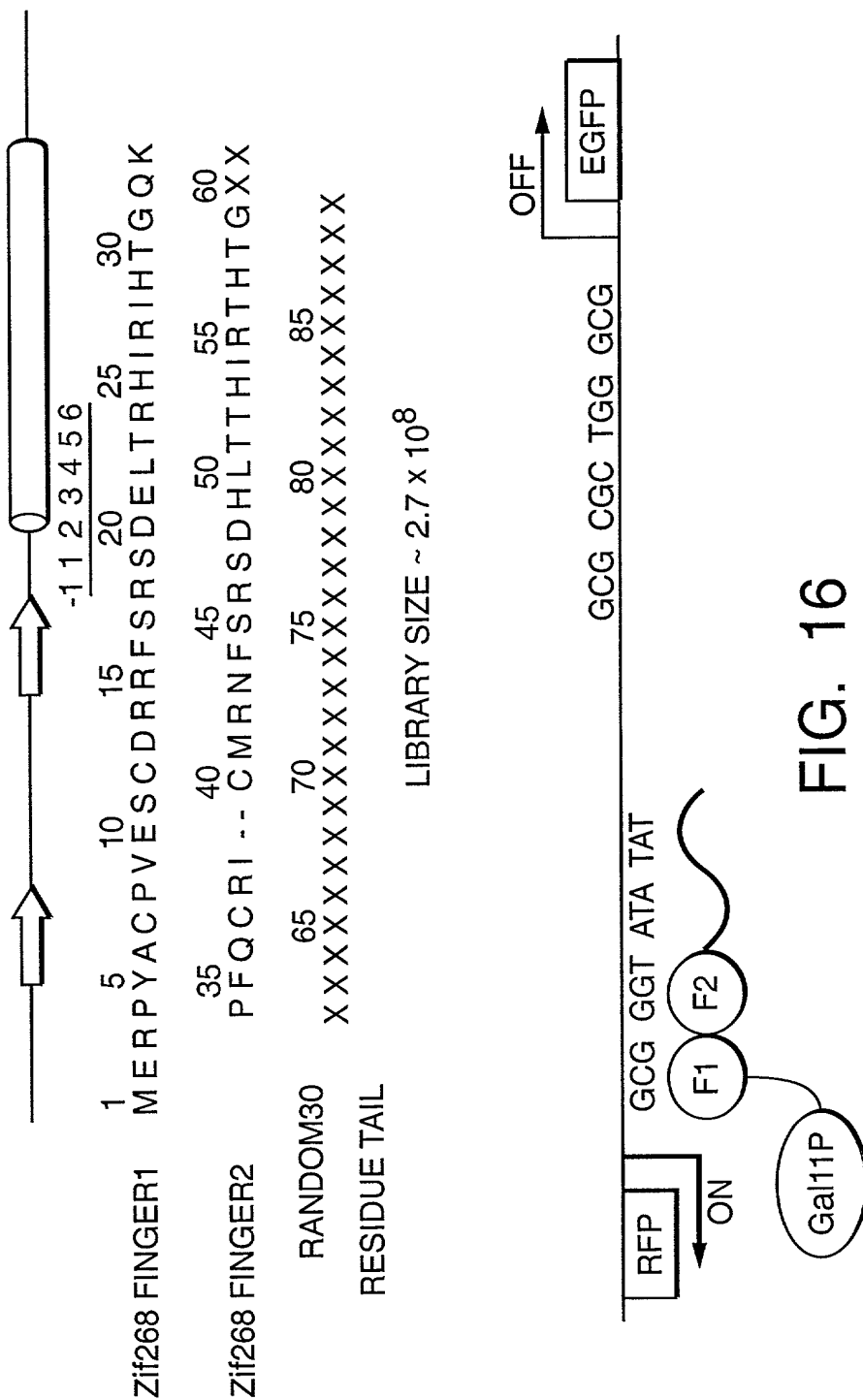


FIG. 16

